



ENTERPRISE INFORMATION SYSTEMS  
DEPARTMENT OF THE NAVY

# NGEN Re-compete Industry Day Navy Data Center Consolidation

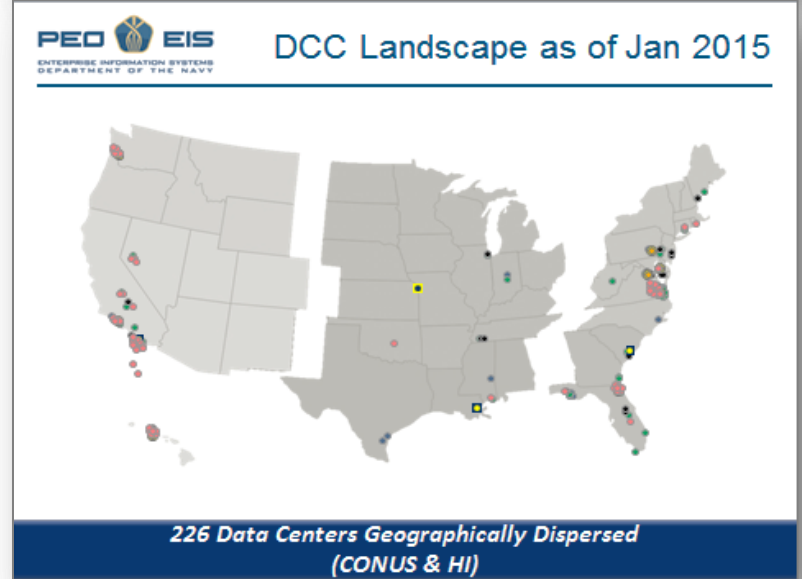
---

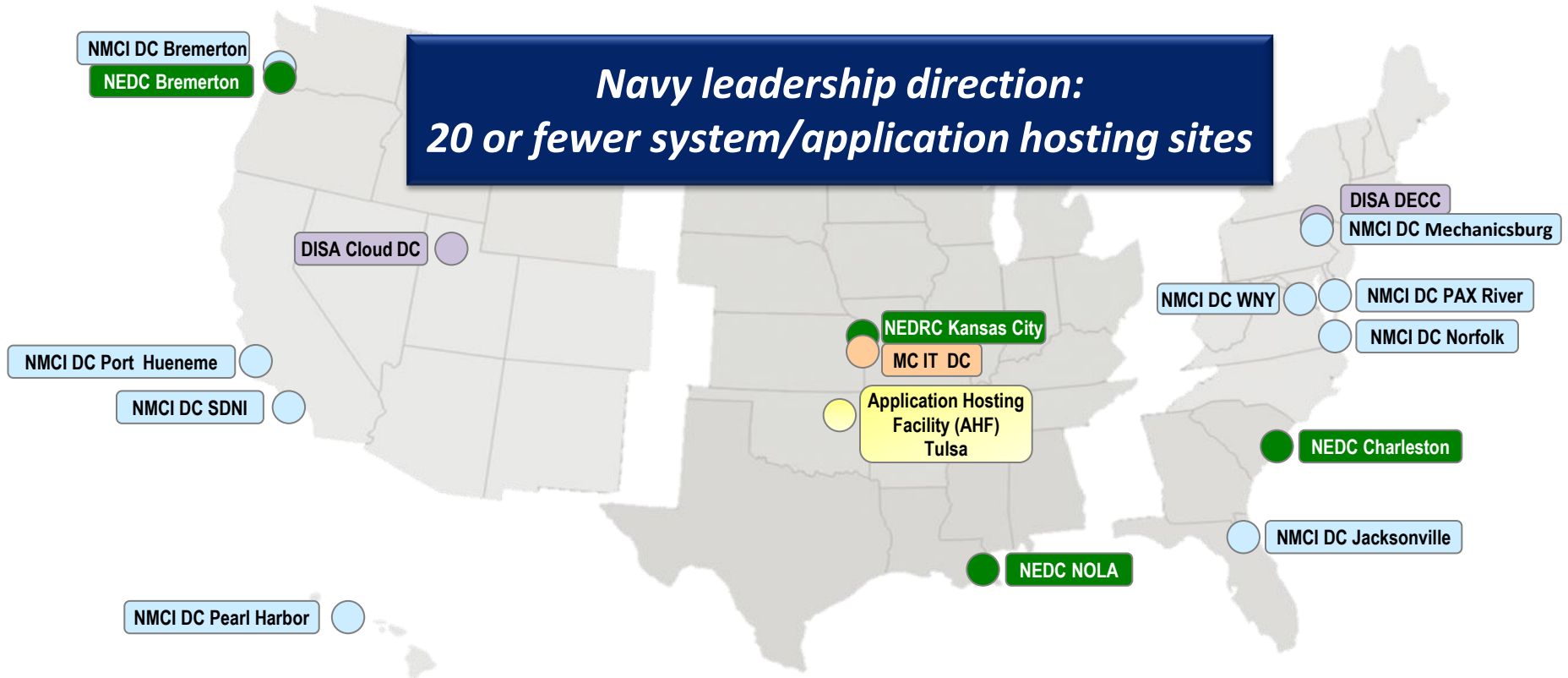
Mr. John Pope  
Director, DCAO  
17 November 2015



# Navy Data Center Consolidation

- Multiple independent data centers grew up organically to support the warfighter.
  - **Lack of configuration management, difficult to protect, inefficient operations, redundant legacy applications.**
- Federal Data Center Consolidation Initiative (FDCCI) - consolidate data centers, enhance security and realize savings.
- DCAO mission objectives:
  - **Consolidate** 118 Navy legacy data centers comprising 10,822 servers into 20 or less enterprise hosting sites by FY19
  - **Host** Navy retained systems/applications in safe, secure, and efficient enterprise hosting sites.



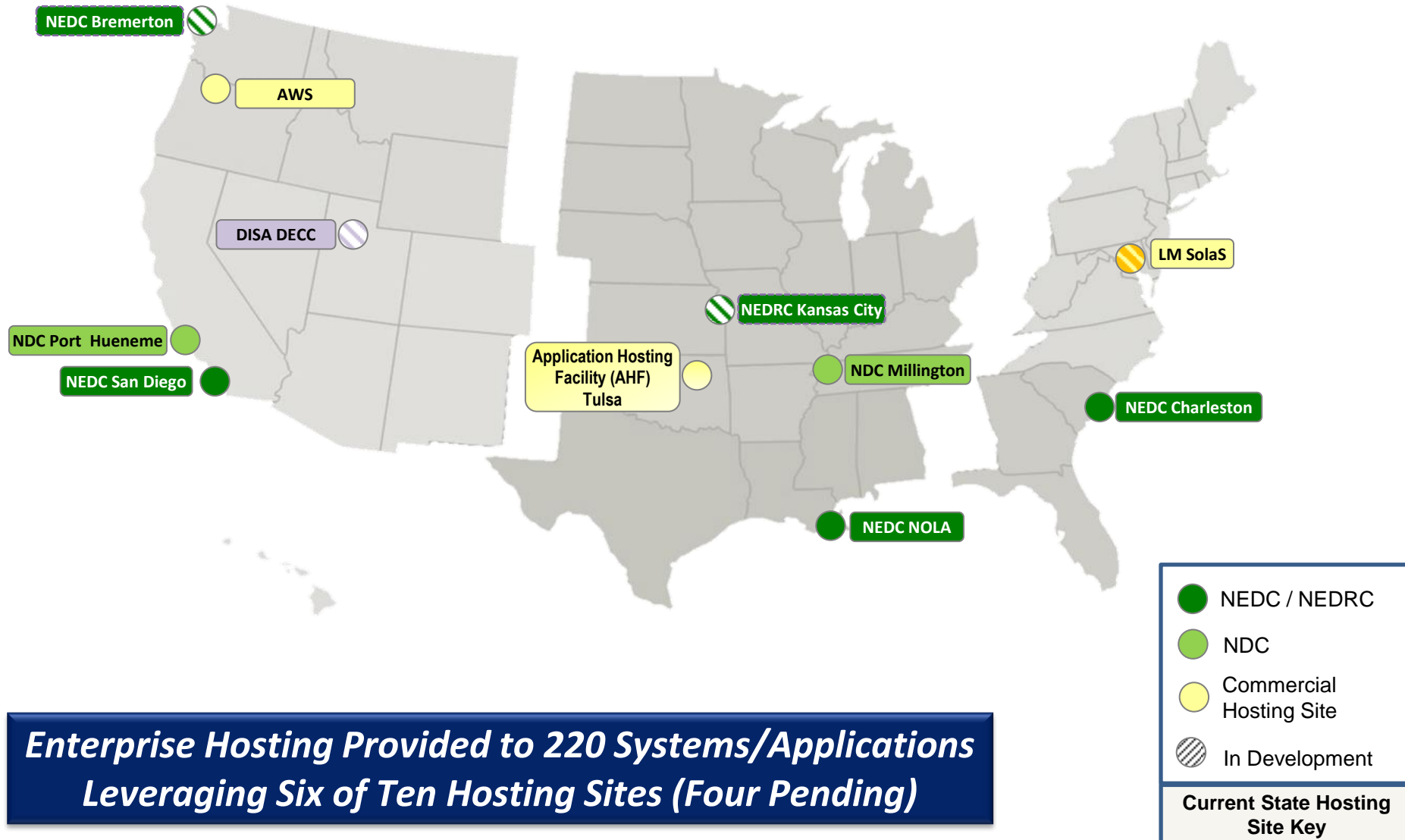


					<b>TOTAL</b>
<b>DoD CDCs</b>	<b>Commercial Sites</b>	<b>NEDCs</b>	<b>NMCI IPNs</b>	<b>MC IT DC NEDRC KC</b>	<b>20</b>

Locations Tentative

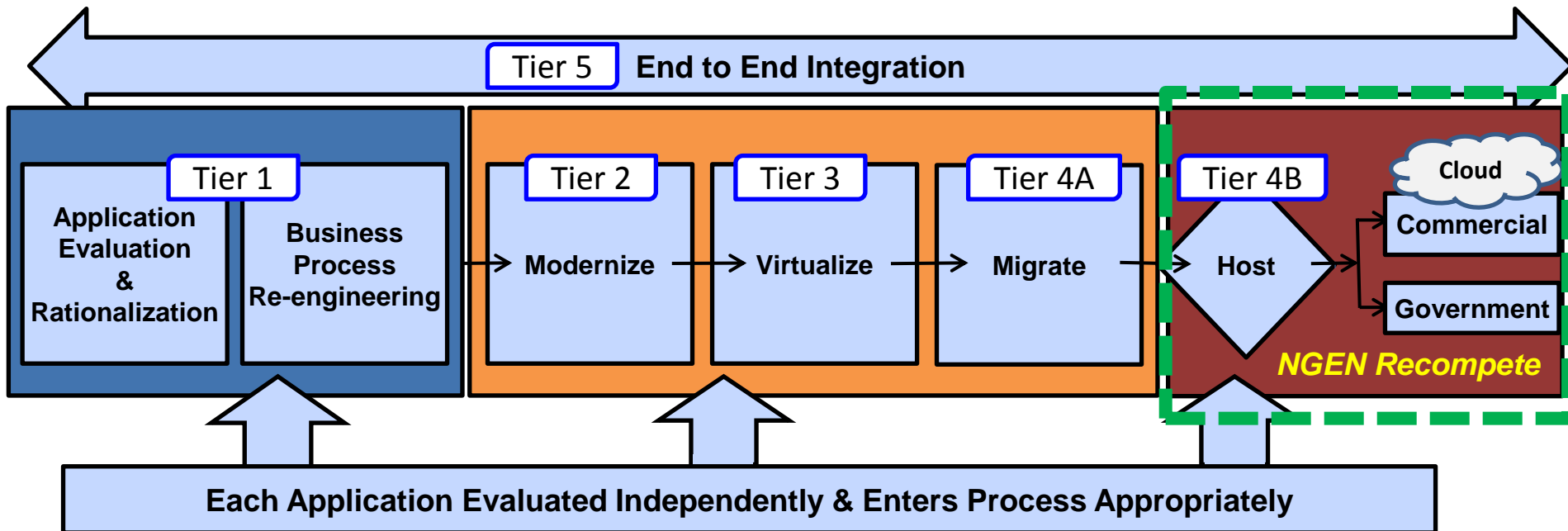
Locations TBD

# FY16 Current State: Navy App Hosting Sites



# DCAO DCC Process Flow

- Currently executing tiered contract strategy (Tier1, Tier2-4A, Tier4B)
- Targeting NGEN Re compete contract to provide Enterprise System/Application Hosting services

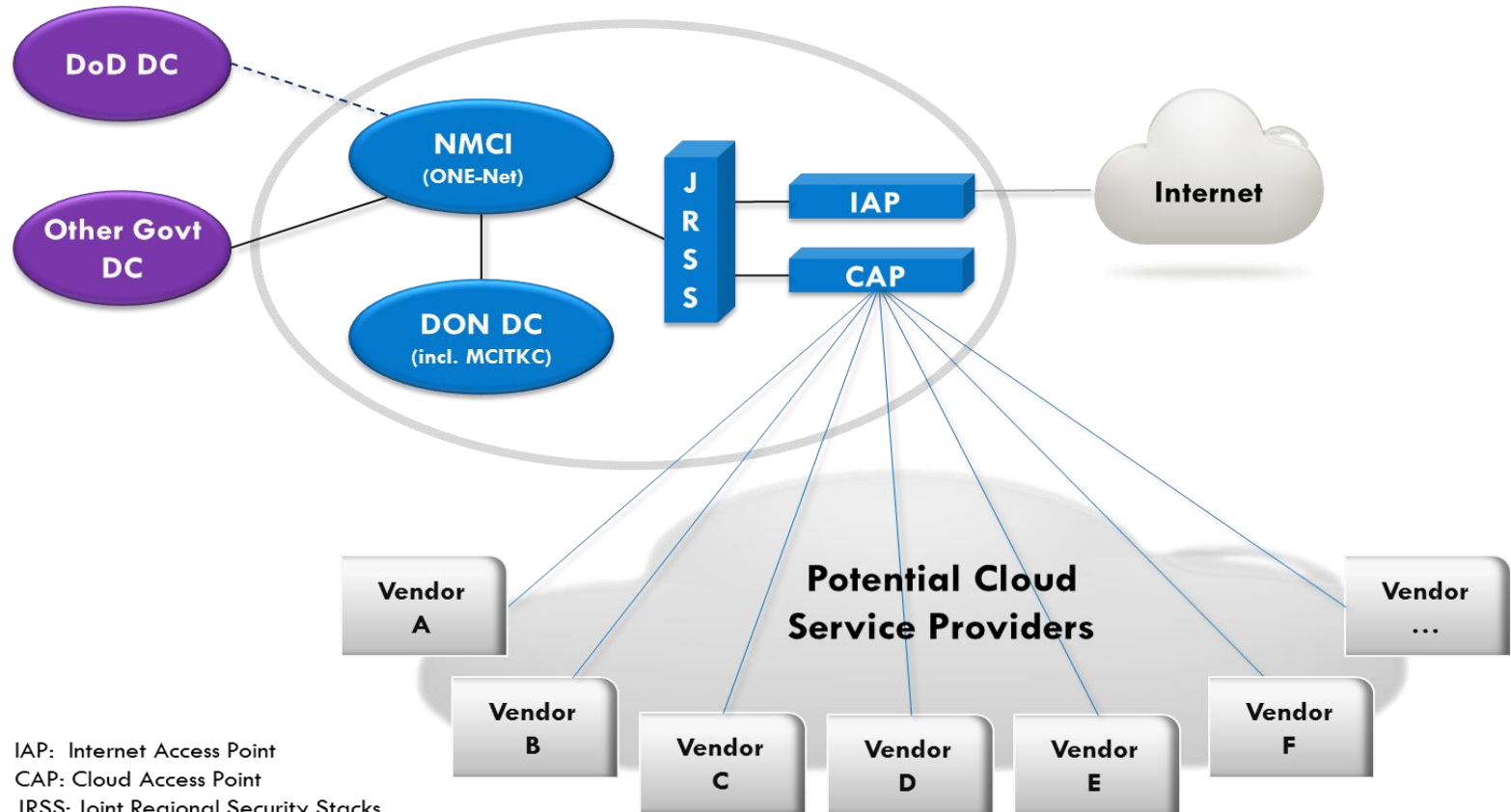


***Data Center Consolidation Process Follows These Steps***

# Navy Enterprise Cloud Strategy

**Cloud is a key component of achieving our Mission:**

**A single integrated ashore IT infrastructure, leveraging Navy Data Centers and commercial cloud services, with unified command and control for operation and maneuver of the network**



IAP: Internet Access Point  
 CAP: Cloud Access Point  
 JRSS: Joint Regional Security Stacks  
 ---- : Future Planned Connection

# Navy Cloud Approach

---

- Evaluate all systems to transition to commercial cloud hosting
  - Some will need to stay in Navy/Govt Data Centers
- Maximize server, system, and storage virtualization
- Commercial hosting standards for systems to be promulgated by SPAWAR Tech Authority
- Pilot extensively, learn before enterprise deployment
- Monitor the cloud marketplace – limited vendor pool today, others starting accreditation
- Incorporate evolving DoD cloud technical and security guidance and acquisition policy/law
  - Cloud Computing Security Requirements Guide (SRG) guides agencies and service providers

# Backup



# Potential for Navy Cloud Adoption

CSRG Information Impact Level	Description	Number of Total Navy Systems	Number Approved CSPs
2	<b>Public Systems</b> Examples: CHINFO, SECNAV Portal	23	32
4	<b>Sensitive Systems</b> Examples: FOUO Email w/out SSN or medical data	740	2
5	<b>NSS Systems (Public or Sensitive)</b> Examples: NGEN systems; SSN, medical, or aggregate info	143	0
6	<b>Classified Systems</b>	425	0
<b>Total</b>		<b>1331</b>	

**All 632 Navy business systems are currently undergoing a Cloud Suitability Assessment by PEO EIS/SPAWAR (16 Level 2, 616 Level 4)**

**Notes:**

- 1) Level 1 was merged with Level 2, and Level 3 merged with Level 4, since initial Cloud SRG release
- 2) Classified Systems, Level 6, are not cloud candidates at this time (per SRG)